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SCIENTIFIC AND TECHNICAL INVESTIGATIONS
AWARDED THE STALIN PRIZE

Academician A. A. Skochinskiy together, with other participants in the work in question, has received a Stalin Prize of the Third Class for activity in connection with the design and introduction of portable appliances for testing the air of coal mines. These comprise appliances for determining a methane content of the air between 0.1 and 5 percent with a precision of plus or minus 0.1 percent, a carbon dioxide content of 0.1 to 12 percent with a precision of plus or minus 0.1 percent, a carbon monoxide content of 0.001 to 0.1 percent with a precision of plus or minus 0.001 percent, and a coal dust content of 0.5 to 55 grams per cubic meter with a precision of plus or minus 0.5 grams per cubic meter.

Academician E. N. Pavlovskiy has received a Stalin Prize of the First Class for his comprehensive work entitled, Manual of Human Parasitology and the Science of Disease-Transmitting Factors. The first volume covering medical zoology of protozoa and medical helminthology appeared in 1946, while the second volume, dealing with mites, ticks, and insects, was published in 1948. Pavlovskiy treats the subject from the biological point of view. Causative agents of disease, transmitting vectors, and reservoirs of viruses are regarded as component parts of the biocoenosis involving the fauna of the territory in question. In this treatment, the epidemiological and prophylactic aspects have been emphasized.

The work concludes with a generalized exposition of theoretical conclusions developed by the author on the basis of extensive field work dealing with natural infection sources of transmitted diseases such as seasonal encephalites, leishmanioses, plague, tularemia, tick-transmitted typhoid fevers, etc. The theory and methods developed by the author are of great practical and theoretical significance for studying the regional parasitology of the USSR, and for safeguarding the health of the population, particularly in newly-colonized territories.

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